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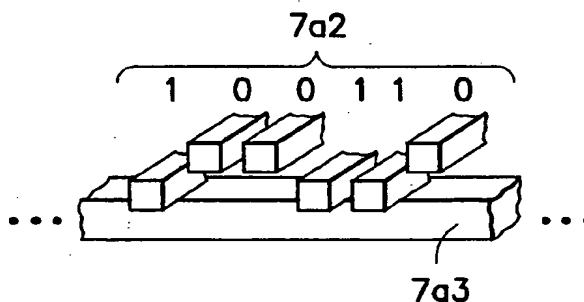
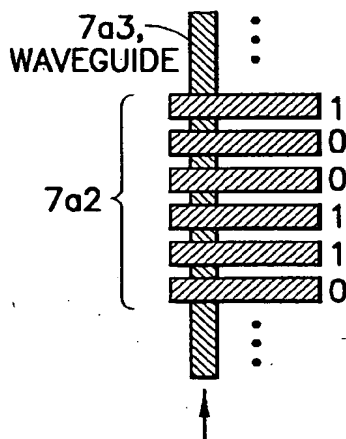
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(54) Title: METHOD AND APPARATUS FOR DETECTING MULTIPLE OPTICAL WAVE LENGTHS



(57) Abstract: Optical gratings that perform a number of functions at various wavelengths are formed by various methods that preserve spectral information within a wavelength band, the functions including: coupling radiation from one waveguide to another, controllable gratings that operate on different wavelengths in response to external control signals.

WO 2004/003598 A2